

Title (en)
PROCESS FOR LIQUID PHASE HYDROGENATION

Title (de)
VERFAHREN ZUR FLÜSSIGPHASENHYDRIERUNG

Title (fr)
PROCEDE D'HYDROGENATION EN PHASE LIQUIDE

Publication
EP 1663918 A4 20071114 (EN)

Application
EP 03796763 A 20031205

Priority

- US 0338871 W 20031205
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- US 49983903 P 20030903
- US 72831003 A 20031204

Abstract (en)
[origin: US2005049445A1] A process for the liquid phase selective hydrogenation of alkynes to alkenes with high selectivity to alkenes relative to alkanes, high alkyne conversion, and sustained catalytic activity comprising a reactant comprising an alkyne and a non-hydrocarbon solvent/absorbent, contacting the reactant stream with a hydrogen-containing stream in the presence of a supported, promoted, Group VIII catalyst, removing the solvent/absorbent, and recovering the alkene product.

IPC 8 full level
C07C 5/02 (2006.01); **B01J 23/44** (2006.01); **B01J 23/60** (2006.01); **B01J 23/62** (2006.01); **B01J 23/656** (2006.01); **B01J 23/66** (2006.01); **C07C 5/09** (2006.01); **C07C 7/10** (2006.01); **C07C 7/167** (2006.01)

CPC (source: EP US)
B01J 23/44 (2013.01 - EP US); **B01J 23/50** (2013.01 - EP US); **B01J 23/52** (2013.01 - EP US); **B01J 23/60** (2013.01 - EP US); **B01J 23/62** (2013.01 - EP US); **B01J 23/6562** (2013.01 - EP US); **B01J 23/66** (2013.01 - EP US); **B01J 37/08** (2013.01 - EP US); **B01J 37/18** (2013.01 - EP US); **C07C 7/167** (2013.01 - EP US); **B01J 21/04** (2013.01 - EP US); **B01J 35/397** (2024.01 - EP US); **B01J 35/51** (2024.01 - EP US); **C07C 2523/56** (2013.01 - EP US); **C07C 2523/60** (2013.01 - EP US); **C07C 2523/62** (2013.01 - EP US); **C07C 2523/64** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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